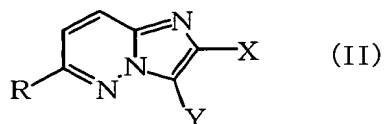
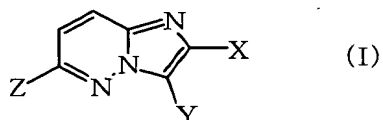


ABSTRACT

A process for easily and inexpensively producing an imidazo[1,2-b]pyridazin-3-ylsulfonamide derivative which has a substituent bonded to the 6-position carbon atom and
 5 is represented by the formula (II):



(wherein R represents lower alkyl, lower cycloalkyl optionally substituted by lower alkyl, lower alkenyl, or lower alkynyl), the process comprising reacting an
 10 imidazo[1,2-b]pyridazine compound represented by the formula (I):



(wherein X represents halogeno or lower alkyl optionally substituted by halogeno; Y represents hydrogen or $\text{SO}_2\text{N}=\text{CH}-\text{NR}^1\text{R}^2$; and Z represents halogeno or OSO_2R^3) with an
 15 organometallic compound in the presence of a transition metal catalyst. The derivative is useful as an intermediate for herbicides.